

**COMBINED DECLARATION AND PRINCIPAL POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ELECTROHYDRODYNAMIC MIXING ON MICROFABRICATED DEVICES**

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, /1.56(a).

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

|                     |                         |
|---------------------|-------------------------|
| Vincent A. Branton  | Registration No. 39,120 |
| George L. Craig     | Registration No. 29,293 |
| J. Kenneth Davis    | Registration No. 38,426 |
| Joseph A. Marasco   | Registration No. 32,798 |
| James M. Spicer     | Registration No. 26,096 |
| Shelley L. Stafford | Registration No. 38,623 |
| Kirk A. Wilson      | Registration No. 45,939 |

All of:      UT-Battelle, LLC  
              P. O. Box 2008  
              Oak Ridge, Tennessee 37831-6498

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the

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manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Appln. Serial No.)      (Filing Date)      (Status-patent, pending, abandoned)

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Please direct all correspondence and telephone calls to the individual identified in the Associate Power of Attorney.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of 1<sup>st</sup> inventor: Constantinos Tsouris

Signature: \_\_\_\_\_

Date:

Residence: Oak Ridge, TN

Post Office Address: 101 Holbrook Lane, Oak Ridge, TN 37830

Citizenship: US

Full name of 2<sup>nd</sup> inventor: David W. DePaoli

Signature: \_\_\_\_\_


Date:

Residence: Knoxville, TN

Post Office Address: 12907 Pin Oak Circle, Knoxville, TN 37922

Citizenship: US

Full name of 3<sup>rd</sup> inventor: Christopher T. Culbertson

Signature:   
5 Nov 2001

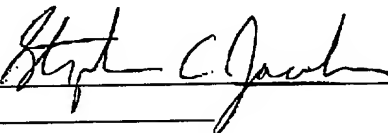
Date:

Residence: Oak Ridge, TN

Post Office Address: 110 Norway Lane, Oak Ridge, TN 37830

Citizenship: US

Full name of 4<sup>th</sup> inventor: Stephen C. Jacobson

Signature: 

Date: 11/05/01

Residence: Knoxville, TN

Post Office Address: 1331 Chipwood Circle, Knoxville, TN 37932

Citizenship: US

Full name of 5<sup>th</sup> inventor: J. Michael Ramsey

Signature: J. Michael Ramsey

Date: 11/5/01

Residence: Knoxville, TN

Post Office Address: 733 Hampton Roads Drive, Knoxville, TN 37922

Citizenship: US

Docket No. 6321-210

**ASSOCIATE POWER OF ATTORNEY  
FOR  
PATENT APPLICATION  
Pursuant to 37 C.F.R. ,1.34**

**Please recognize as Associate Attorney in this case:**

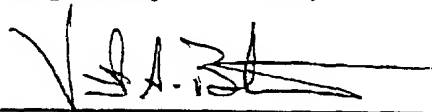
**ELECTROHYDRODYNAMIC MIXING ON MICROFABRICATED DEVICES**

|                       |                 |
|-----------------------|-----------------|
| Gregory A. Nelson     | Reg. No. 30,577 |
| J. Rodman Steele, Jr. | Reg. No. 25,931 |
| Joseph W. Bain        | Reg. No. 34,290 |
| Robert J. Sacco       | Reg. No. 35,667 |
| Stanley A. Kim        | Reg. No. 42,730 |
| Mark D. Passler       | Reg. No. 40,764 |
| Steven M. Greenberg   | Reg. No. 44,725 |
| Neil R. Jetter        | Reg. No. 46,803 |
| Pablo Meles           | Reg. No. 33,739 |
| Barbara Kitchell      | Reg. No. 33,928 |
| Larry G. Brown        | Reg. No. 45,834 |
| Kevin T. Cuenot       | Reg. No. 46,283 |
| Raynarldo K. Whitty   | Reg. No. 47,176 |

**All of:            AKERMAN, SENTERFITT & EIDSON, P.A.  
222 Lakeview Avenue, Suite 400  
P.O. Box 3188  
West Palm Beach, Florida 33402-3188**

**Please direct all correspondence and telephone calls to Gregory A. Nelson at  
561-653-5000 and the above address.**

**Respectfully submitted,**



**Vincent A. Branton  
Registration No. 39,120  
UT Battelle, LLC  
P.O. Box 2008  
Oak Ridge, TN 37831-6498**

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TOTAL P.02